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COUNTRY Hungary REPORT NO. [REDACTED]

TOPIC Information on a Nitrogen Plant at Péte [REDACTED]

635595

EVALUATION [REDACTED] PLACE OBTAINED [REDACTED] 25X1

DATE OF CONTENT June 1951 to February 1952

DATE OBTAINED [REDACTED] DATE PREPARED 3 May 1954

REFERENCES [REDACTED]

PAGES 1 ENCLOSURES (NO. & TYPE) 1 - sketch on ditto with legend

REMARKS [REDACTED]

[REDACTED]

[REDACTED]

SOURCE [REDACTED]

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1. The Péte nitrogen plant was located southeast of the Pétfuerdöe (P 48/D 89) railroad station immediately east of the Várpalota (P 48/D 89) - Peremarton (P 48/D 88) highway. To the north, the plant area bordered on flat fields; to the east on the Péte mineral-oil plant. To the west there was a settlement, and about 1.5 km. to the northwest a small hill. In the factory area there were 12 tower-like buildings each about 20 meters high, and three smokestacks about 30 meters high.
2. Work on the construction of the installation was started in 1930. During World War II, the installation was 50 percent destroyed. Except for the chloride of lime plant, the installation had been reconstructed by 1952. Work on the enlargement of the installation was started in 1953.
3. The installation had a spur track branching off from the Székesfehérvár (Q 48/Z 00) - Veszprém railroad line. Two shunting locomotives and eight railroad tank cars were available. The installation has a power station of its own which used coal arriving from Várpalota by means of cableway. A power transmission line extends from the nitrogen factory to the power station at Inota (P 38/D 89). Power is received via this line in the event of a breakdown of the factory power station.
4. Mainly explosives were manufactured at the plant. They were shipped by rail to the ammunition factory at Papkeszi (P 48/D 88) near Peremarton and to the cartridge factory at Székesfehérvár.
5. Director of the plant was one Papp (fmu), technical manager one Szentmiklosy (fmu) who was assisted by Mátyás Keresztes. In early 1953, Keresztes was transferred to the chemical works at Kazincbarcika. During the reported period, the plant had a work force of about 3,500 persons, including 50 percent women. Twelve German experts temporarily worked at the plant. Work was done in three shifts. The plant area was surrounded by a brick wall and guarded by 60 to 70 AHV personnel.

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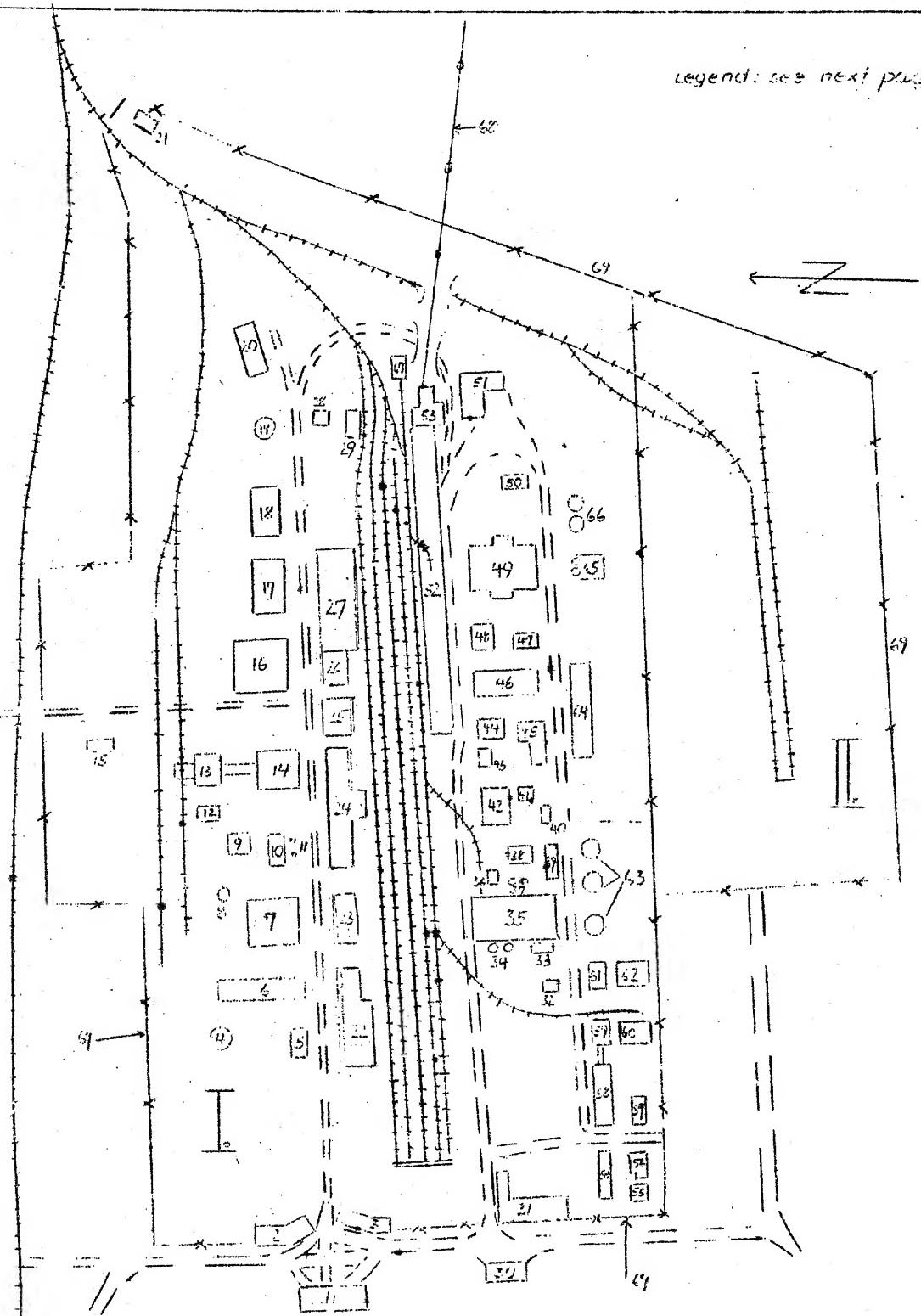
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Legend: see next page



not to scale

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Layout of Nitrogen Plant.

Legend:

I Nitrogen Plant

- 1 Single-story administration building, 40 x 20 meters.
- 2 Dispensary and first-aid station, 30 x 10 meters.
- 3 Showers and baths.
- 4 Iron water tower, 20 meters high
- 5 Transformer station, 15 x 10 meters.
- 6 Concentrating plant, 50 x 20 meters.
- 7 Carbon-dioxide plant, 50 x 20 meters.
- 8 Wooden cooling tower, 10 meters high.
- 9 ^(sig) Flammable acid containers.
- 10 Central laboratory, 20 meters square.
- 11 Two acid containers, 6 meters high.
- 12 Transformer station, 8 meters square.
- 13 Coarse limestone-crushing plant.
- 14 Fine limestone-crushing plant.
- 15 Scales.
- 16 Acid station, five-story building, 30 meters square, completed in 1953.
- 17 Cold storage of acids, a new building, 30 x 25 meters.
- 18 De-acidification plant, a new building, 30 x 20 meters.
- 19 Cooling tower, steel structure, 31 meters high.
- 20 Acid-charging station, 30 x 15 meters.
- 21 Gate for spur track.
- 22 Nitrate of sodium plant, 50 x 25 meters.
- 23 Production of acid, four-story building, 40 x 25 meters.

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- [Redacted]
- 24 Acid plant, 50 x 25 meters.
- 25 Acid-container and pumping station equipped with four towers, 25 meters high, and three towers 15 meters high.
- 26 Nitrate of ammonium plant, 25 meters square.
- 27 Storage of fertilizers, a building, 60 x 30 meters.
- 28 Storage of tools for railroad maintenance workers.
- 29 Scales.
- 30 Fire brigade.
- 31 Porter's lodge.
- 32 Loading point for containers.
- 33 Open-air condensing coils.
- 34 Two ball-shaped ammonia refrigerators, each 6 meters in diameter.
- 35 Production of ammonia, three-story building, 20 x 30 meters.
- 36 Compressor plant, 10x15 meters.
- 37 Cooling tower, 25 meters high.
- 38 Regeneration of lyes, 25 x 10 meters.
- 39 Transformer station.
- 40 Administration building.
- 41 CO plant.
- 42 Central repair shop.
- 43 Two prone^(sic) containers filled with sulphur,
- 44 De-sulphurization plant.
- 45 L-shaped building, 30 x 25 meters, housing cloak rooms, showers, offices, and the generator station.
- 46 Gas plant.
- 47 Tar-processing plant.
- 48 Water-treatment plant.
- 49 Power station.
- 50 Transformer station.
- 51 L-shaped maintenance building.
- 52 Roofed-over coal dump.
- 53 Shipping point.
- 54 Laboratory.

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- 55 Pilot plant.
- 56 Factory office.
- 57 Sulphur basin, out of operation.
- 58 Sulphuret of carbon.
- 59 Storage of sulphur.
- 60 Production of sulphuret of carbon.
- 61 Storage of charcoal.
- 62 Container with sulphuret of carbon
- 63 Three gas containers.
- 64 Filtering of carbon monoxide and carbon dioxide.
- 65 Water-softening plant.
- 66 Two wooden cooling towers, 20 meters high.
- 67 Engine shed.
- 68 Cable way from Vérpalota.
- 69 Barbed-wire fence about 180 cm high.

II Mineral-Oil Plant.

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